# *Executive Proclamation*

## *State of South Dakota*
## *Office of the Governor*

***Whereas***, Dr. Ray Davis installed a solar neutrino detector 4,850 feet underground in the gold mine in 1965, with support from the Homestake Mining Company; and,

***Whereas***, Dr. Davis won a share of the Nobel Prize for Physics in 2002 for his Homestake experiment; and,

***Whereas***, Homestake Mining Co. has donated the gold mine for use as a national underground laboratory; and,

***Whereas***, The South Dakota Legislature, T. Denny Sanford, and the people of South Dakota have generously supported the proposal to convert Homestake into a world-class underground laboratory; and,

***Whereas,*** The Department of Energy is considering how the Sanford Underground Laboratory at Homestake can help maintain the leadership of the United States in the field of high-energy physics; and,

***Whereas,*** The Sanford Underground Laboratory can support research initiatives such as Fermilab's Long Baseline Neutrino Experiment and next-generation research into dark matter and neutrinoless double-beta decay; and,

***Whereas,*** Initial research at Sanford Lab, including the LUX dark-matter detector and the Majorana Demonstrator Project already are on the verge of important discoveries; and,

***Whereas,*** Geologists and biologists already have begun research that will make the Sanford Underground Laboratory a unique center for multidisciplinary research; and,

***Whereas,*** Discoveries in the coming decades at the Sanford Underground Laboratory will help fuel technological advances for a century to come; and,

***Whereas,*** The Sanford Underground Laboratory can provide decades of inspiration and opportunity to students in South Dakota:

***Now, Therefore, I, Dennis Daugaard***, Governor of the state of South Dakota, do hereby proclaim July 9, 2011, as

# *NEUTRINO DAY*

in South Dakota.

***In Witness Whereof***, I have hereunto set my hand and caused to be affixed the Great Seal of the state of South Dakota, in Pierre, the Capital City, this Fifth Day of July in the Year of Our Lord, Two Thousand and Eleven.

Dennis Daugaard

Dennis Daugaard, Governor

**Attest:**

Jason M. Gant, Secretary of State